

FIGURE 1

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09920437 090101  
101040 25

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TNVs ATGGGGTTTGGGCTGAGCTGGGTTTTCTCGTTGCTCTTTTAAGA

germline Q V Q L V E S G G G V  
CAGGTGCAGCTGGTGGAGTCTGGGGGAGGCGTG

10 TNVs GGTGTCCAGTGT.....  
TNV148 (B) GGTGTCCAGTGT.....A.....

germline V Q P G R S L R L S C A A S G  
GTCCAGCCTGGGAGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGA

15 TNVs .....

germline F T F S S Y A M H W V R Q A P  
TTCACCTTCAGTAGCTATGCTATGCACTGGGTCCGCCAGGCTCCA

20 TNV14, 15 .....  
TNV148 (B) ....T.....  
TNV196 .....C.....

germline G K G L E W V A V I S Y D G S  
GGCAAGGGGCTGGAGTGGGTGGCAGTTATATCATATGATGGAAGC

25 TNV14 .....A....C.T.....T  
TNV15 .....T.....T.....T  
TNV148 (B) .....C.....T....G.....  
TNV196 .....T.....

30 germline N K Y Y A D S V K G R F T I S  
AATAAATACTACGCAGACTCCGTGAAGGGCCGATTCACCATCTCC

35 TNV14 .GC...A.G....G.....A.....  
TNV15 ..C...A.G.....C.....  
TNV148 (B) .....A.G.....  
TNV196 .....A.G.C.....G.....

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FIGURE 2A

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germline R D N S K N T L Y Q M N S L  
AGAGACAATTCCAAGAACACGCTGTATCTGCAAATGAACAGCCTG  
TNV14 .....  
TNV15 .....G.....  
TNV148 .....C.....  
TNV148B .....  
TNV196 .....T.....

germline R A E D T A V Y Y C A R  
AGAGCTGAGGACACGGCTGTGTATTACTGTGCGAGA  
TNV14,15 .....GATCGAGGT  
TNV148 (B) .....A  
TNV196 .....T.....

germline Y Y Y Y Y G M D V W  
TACTACTACTACTACGGTATGGACGTCTGG  
TNV14  
ATATCAGCAGGTGGAA.....  
TNV15  
G.C.....A.T..T.....  
TNV148 (B) ...G.....A.....  
TNV196 ..TGG.....A.....

germline G Q G T T V T V S S  
GGGCAAGGGACCACGGTCACCGTCTCCTCAG  
TNV14 ..C.....  
TNV15 ..C.....  
TNV148 (B) ..C.....  
TNV196 ..C..G.....

FIGURE 2B

GAAGCCCCAGCTCAGCTTCTCTTCCTCCTCTACTCTGGCTC

E I V L T Q S P A T  
GAAATTGTGTTGACACAGTCTCCAGCCACC

L S L S P G E R A T L S C R A

S Q S V S S Y L A W Y Q Q K P

G Q A P R L L I Y D A S N R A

T G I P A R F S G S G S G T D

F T L T I S S L E P E D F A V

Y Y C Q Q R S N W P P F T F G

P   G   T   K   V   D   I   K   R

### FIGURE 3

		germline	MGFGLSWVFLVALLRGVQC	signal
		TNVs	.....	
5		germline	QVQLVESGGGVVQPGRSLRLSCAASGFTFS	FR1
		TNVs	.....	
		TNV148 (B)	.....I..	
10		germline	SYAMH	CDR1
		TNVs	.....	
		germline	WVRQAPGKGGLEWVA	FR2
15		TNVs	.....	
		TNV148 (B)	.....N.....	
		germline	VISYDGSNKYYADSVKG	CDR2
20		TNV14	I.L....S.K.....D	
		TNV15	F.L....K.....	
		TNV148 (B)	FM.....K.....	
		TNV196	F.....KS.....	
		germline	RFTISRDN SKNTLYLQMNSLRAEDTAVYYCAR	FR3
		TNV14	.....	
		TNV15	.....A.....	
		TNV148	.....P.....	
		TNV148B	.....	
		TNV196	...V.....F.....F....	
		germline	-----YYYYYGMDV	
		TNV14	DRGISAGGN.....	CDR3
		TNV15	...V....N.....	
		TNV148 (B)	....A...N.....	
		TNV196	....G...N.....	
40		germline	WGQGTTVTVSS	J6
		TNVs	.....	

FIGURE 4

0960133 1001035

	TNVs	PAQLLFLLLLWLPDTTG	signal
5	germline TNVs	EIVLTQSPATLSLSPGERATLSC .....	FR1
10	germline TNV14 TNV15 TNV148 (B) TNV196	RASQSVSSYLA ..... ..... .....Y.... .....Y....	CDR1
15	germline TNVs	WYQQKPGQAPRLLIY .....	FR2
20	germline TNVs	DASNRAT .....	CDR2
25	germline TNVs	GIPARFSGSGSGTDFTLTISSLEPEDFAVYYC .....	FR3
30	germline TNVs	QQRSNWPPFT .....	CDR3
35	germline TNVs	FGPGTKVDIK .....	J3

FIGURE 5

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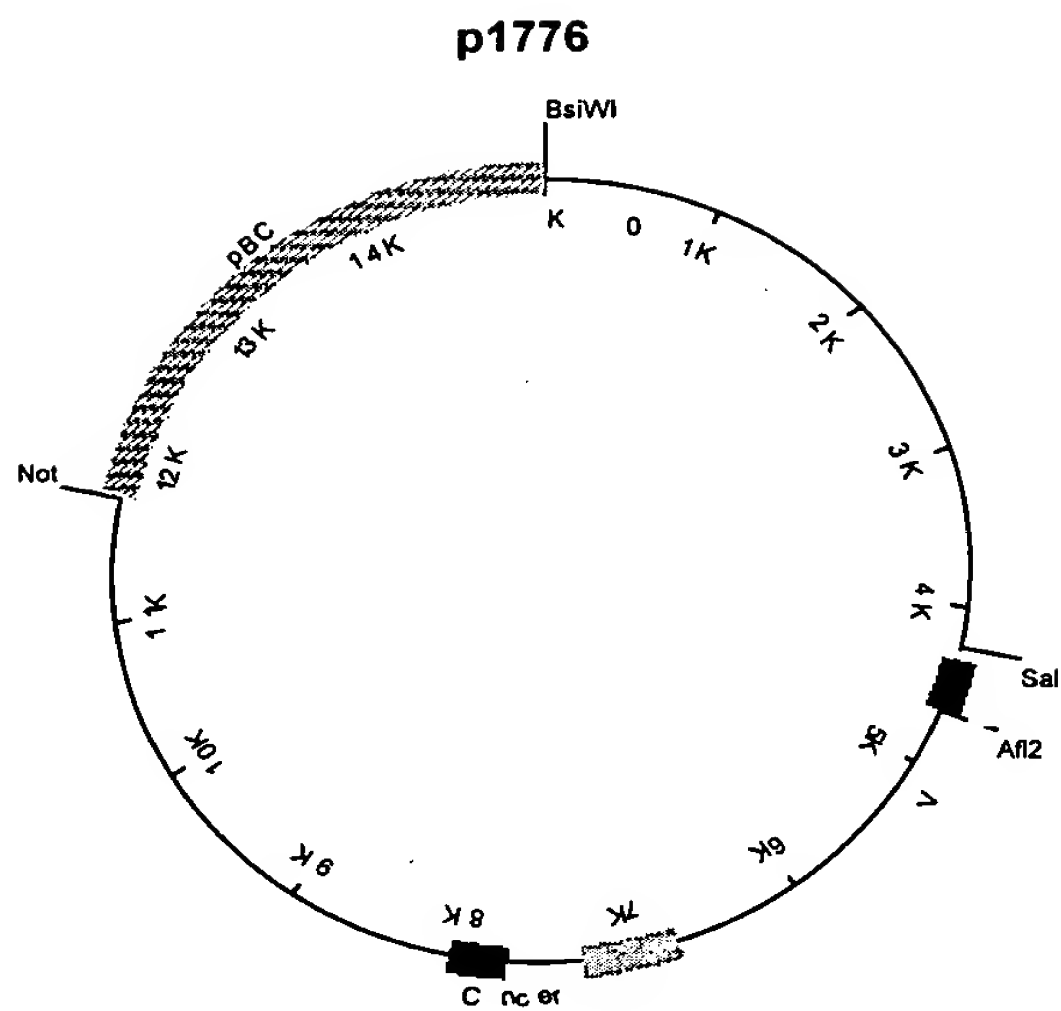
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059225137030401435

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**FIGURE 6**

0000137-030101

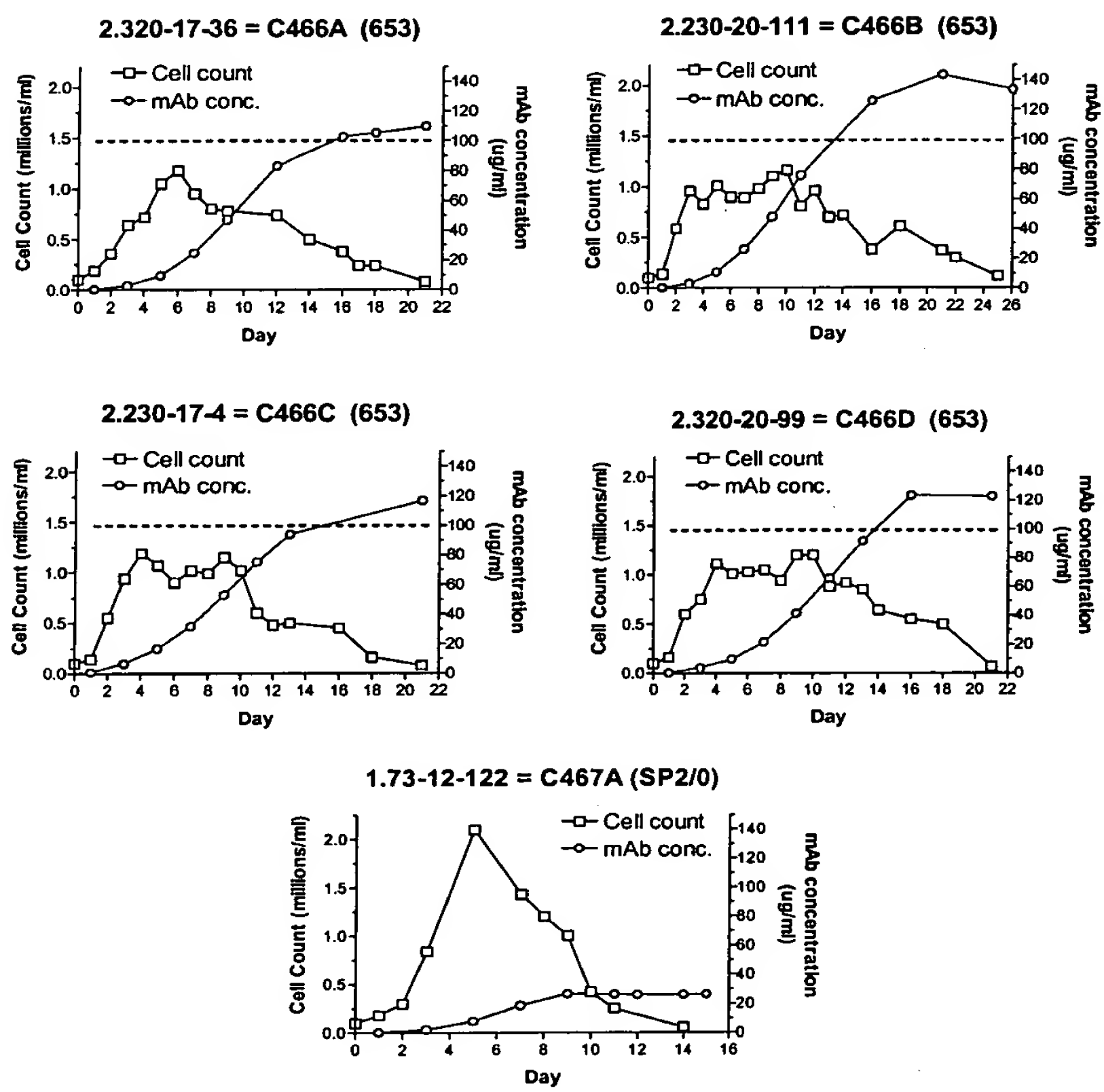


FIGURE 7



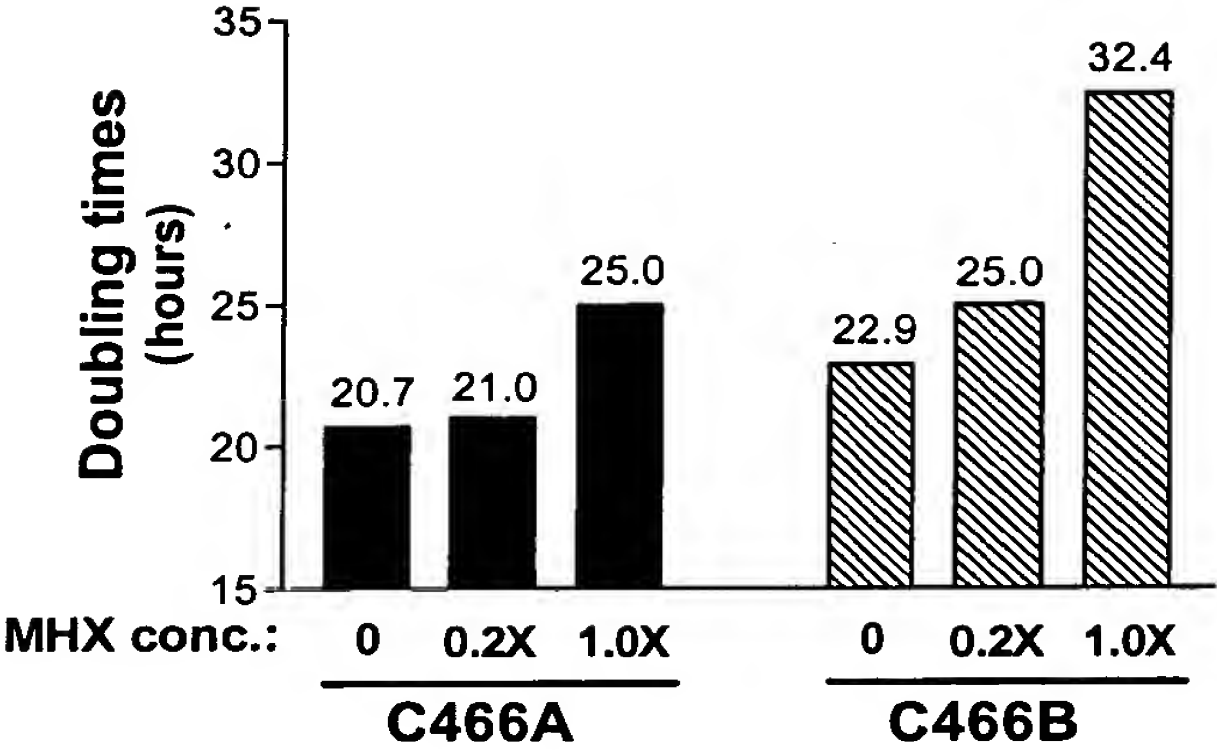
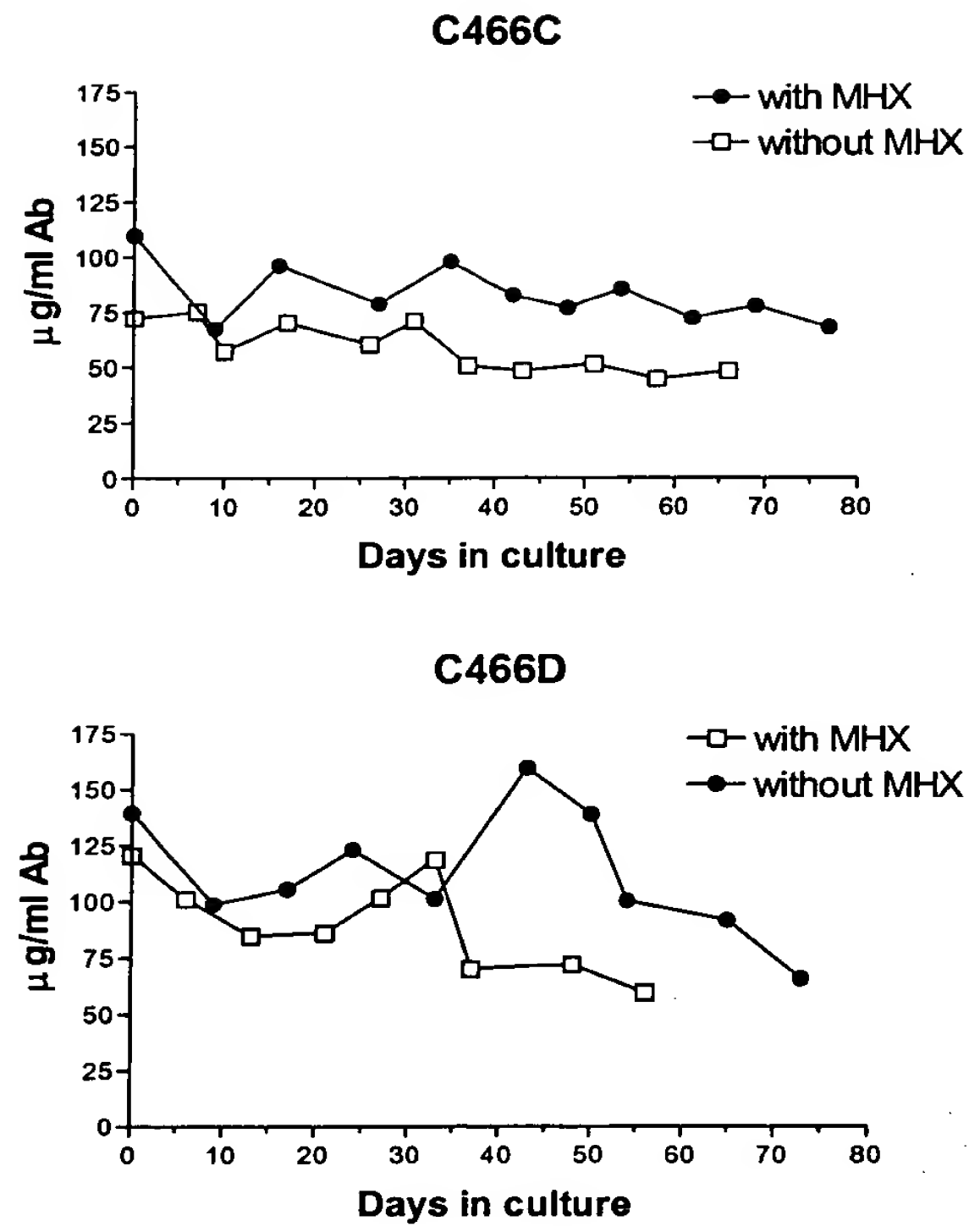


FIGURE 8

104030-240260



**FIGURE 9**

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### Body Weights Change from baseline

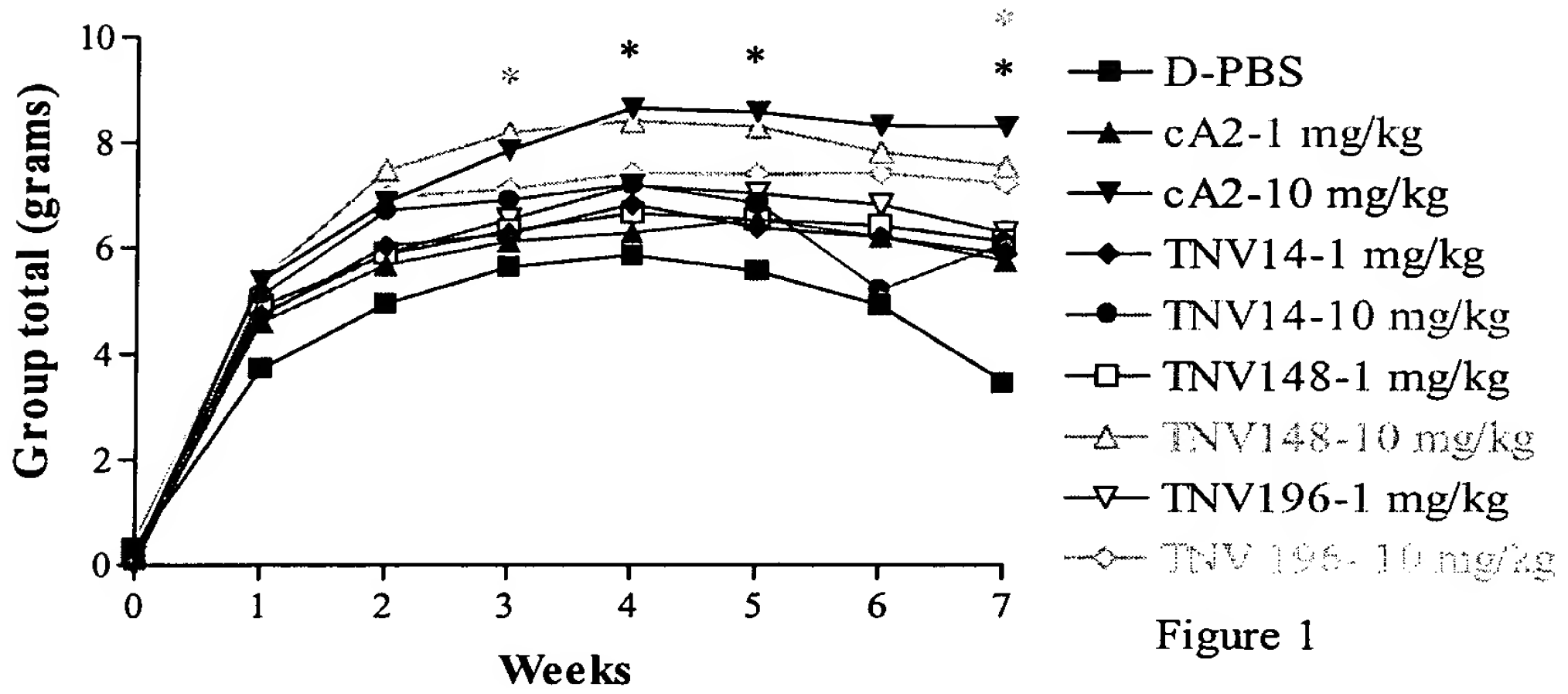


Figure 1

FIGURE 10

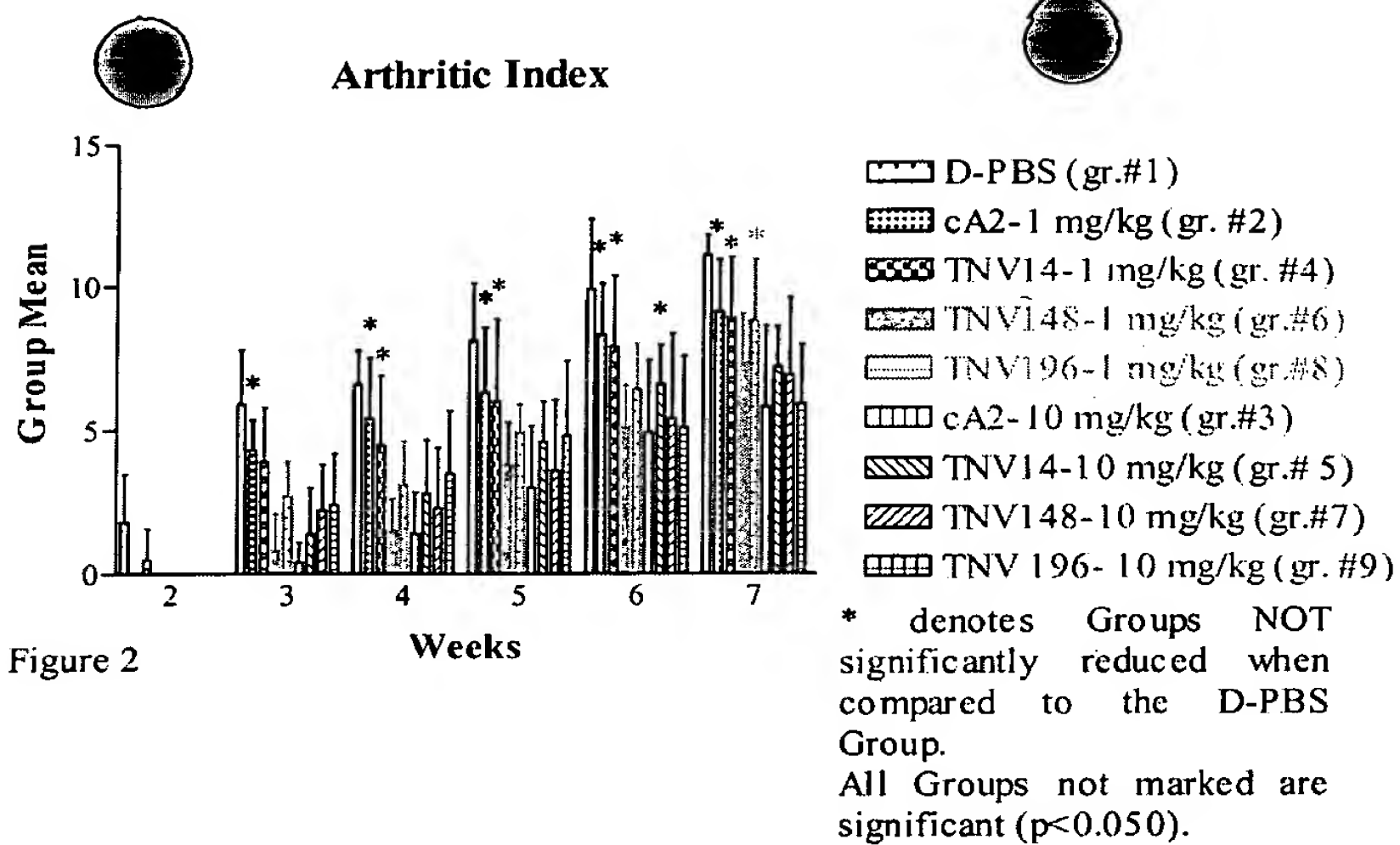


FIGURE 11A

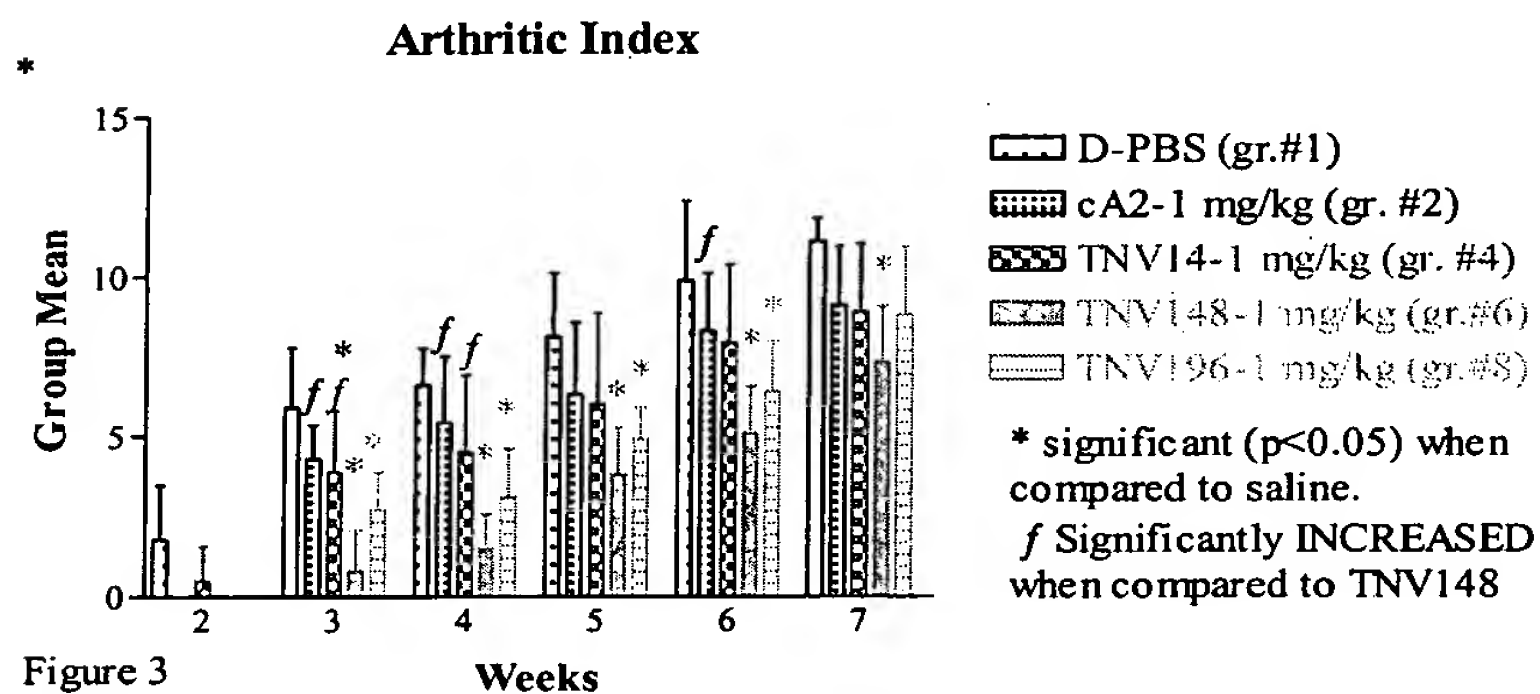


FIGURE 11B

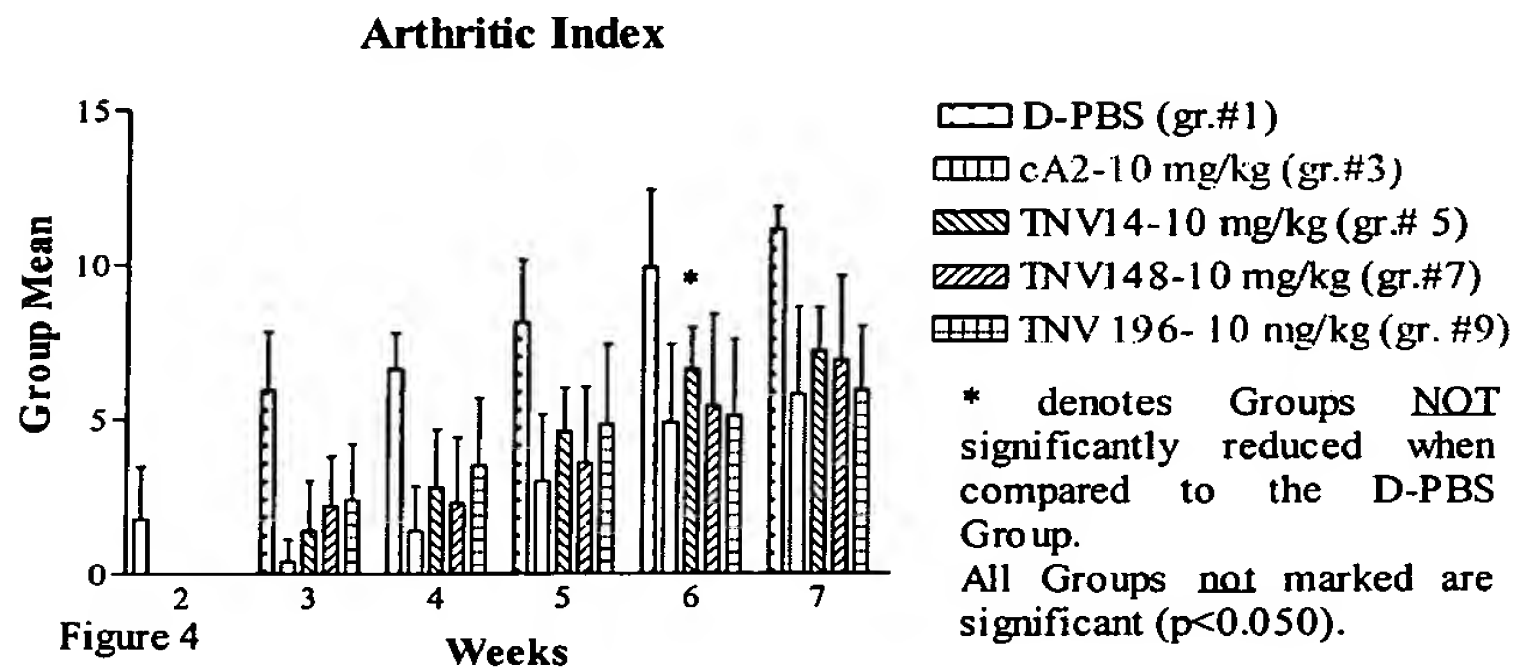


FIGURE 11C

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Change in Body Weight  
(Group means)

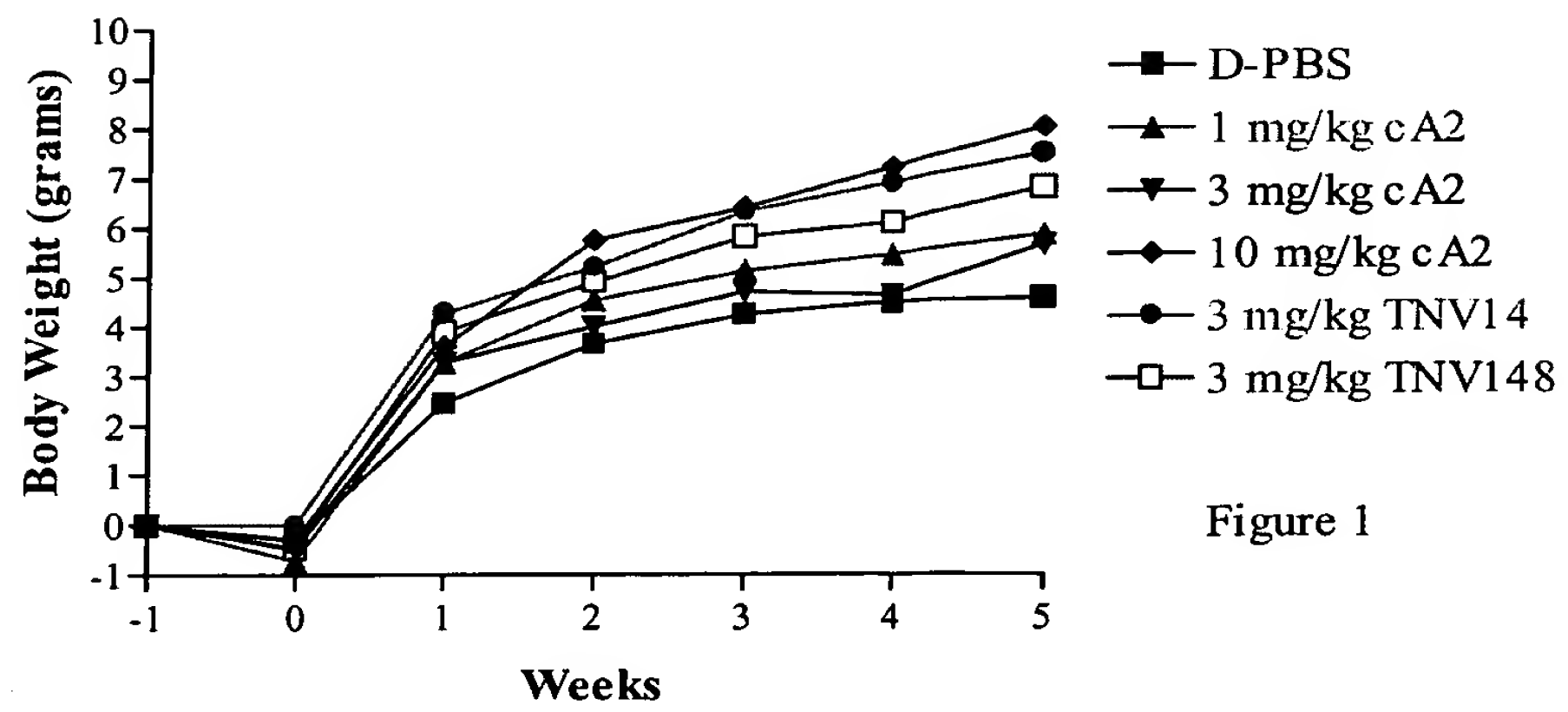


Figure 1

FIGURE 12

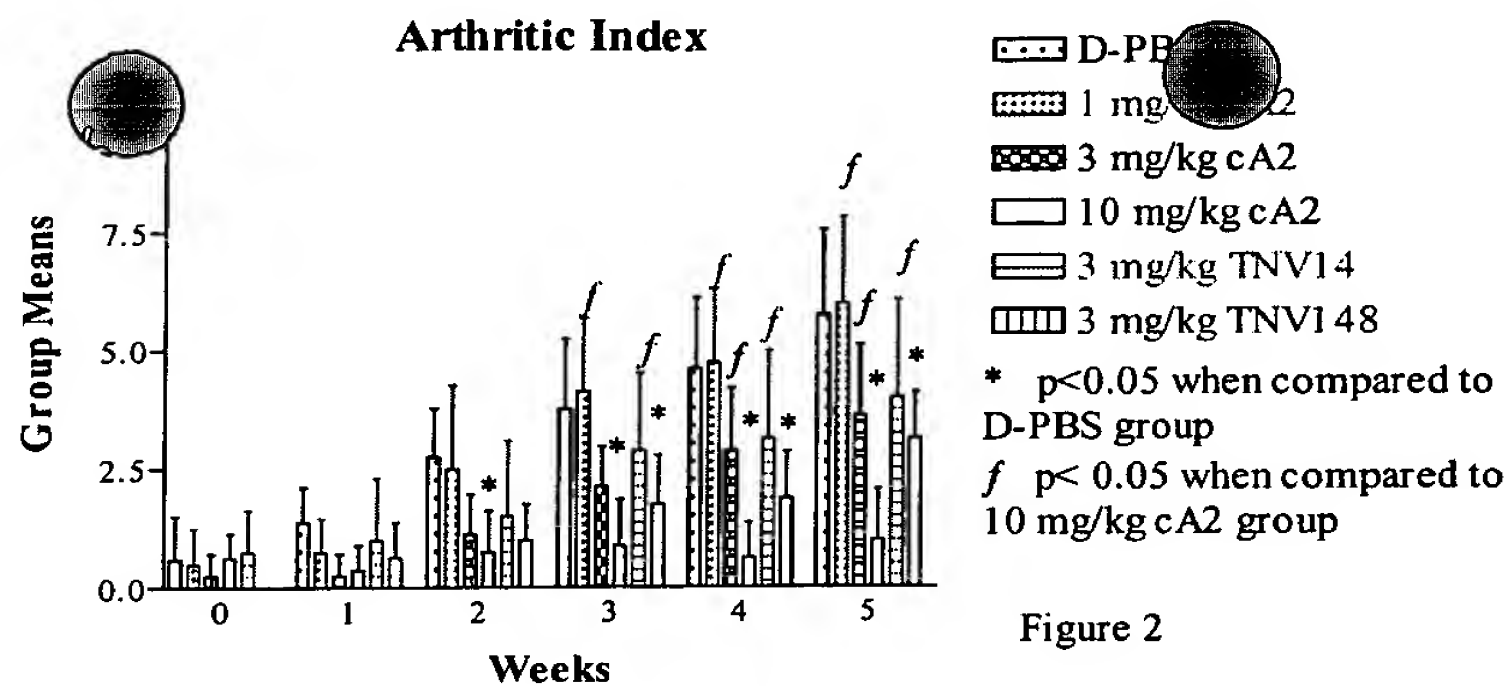


Figure 2

FIGURE 13A

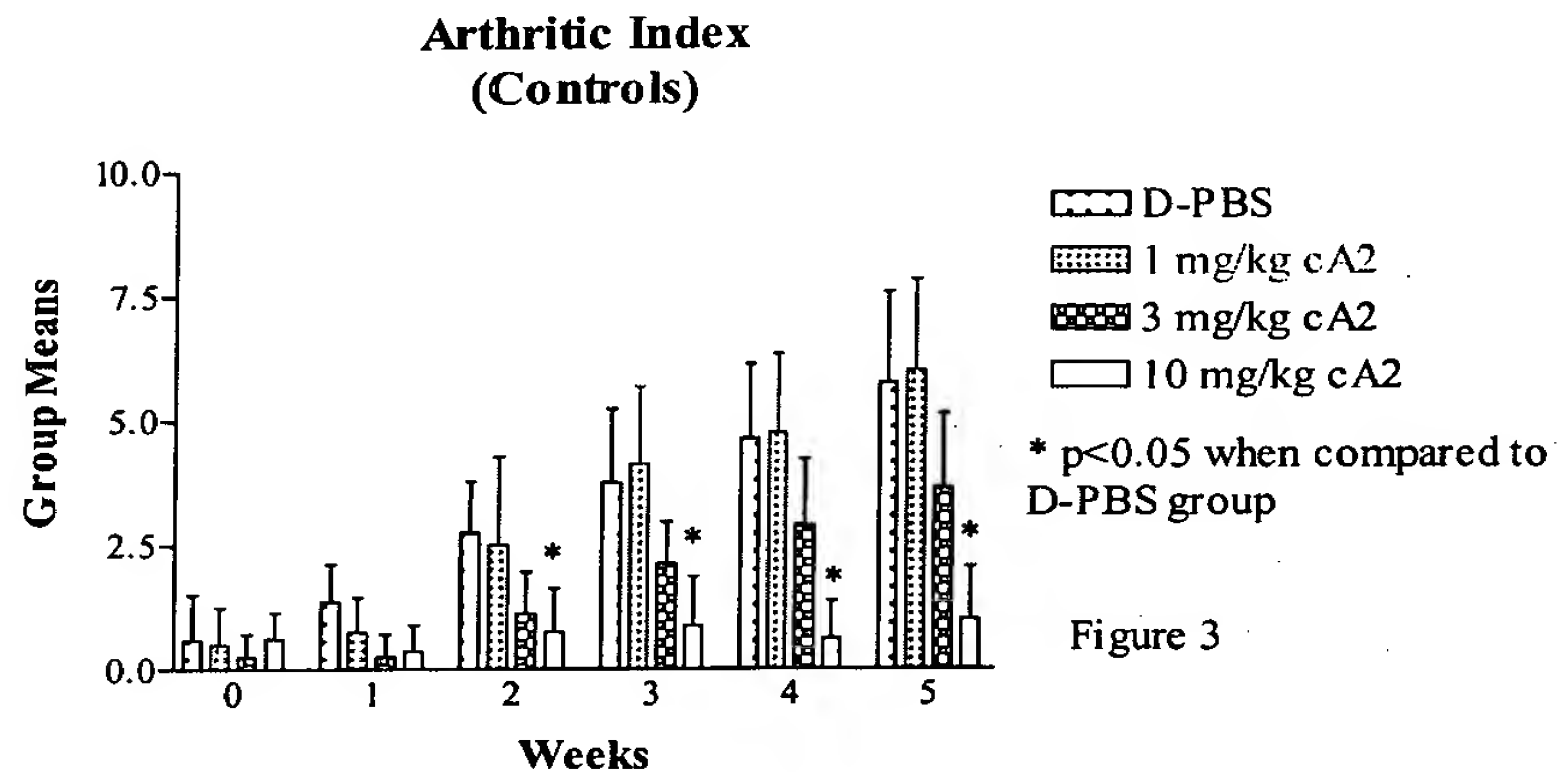


Figure 3

FIGURE 13B

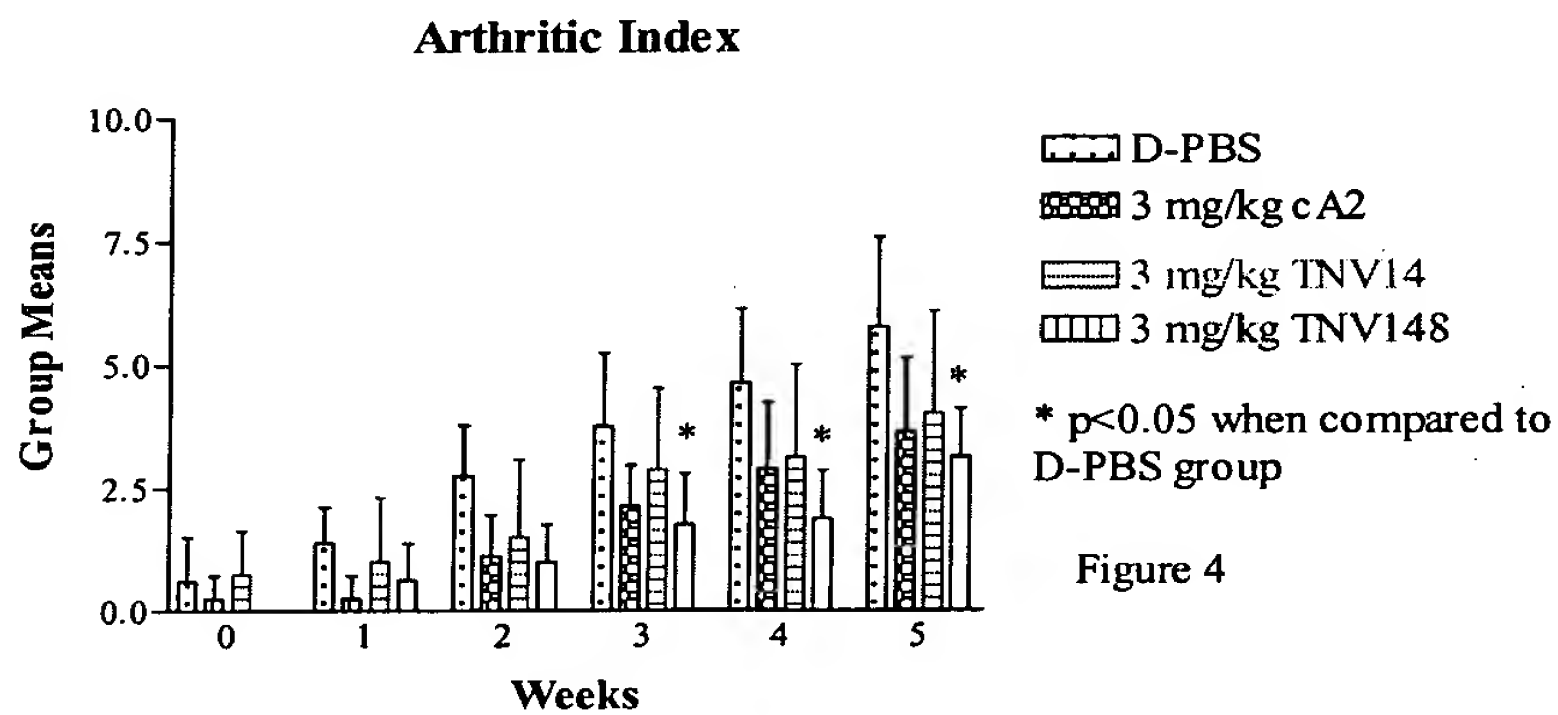


Figure 4

FIGURE 13C

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# Change in Body Weight

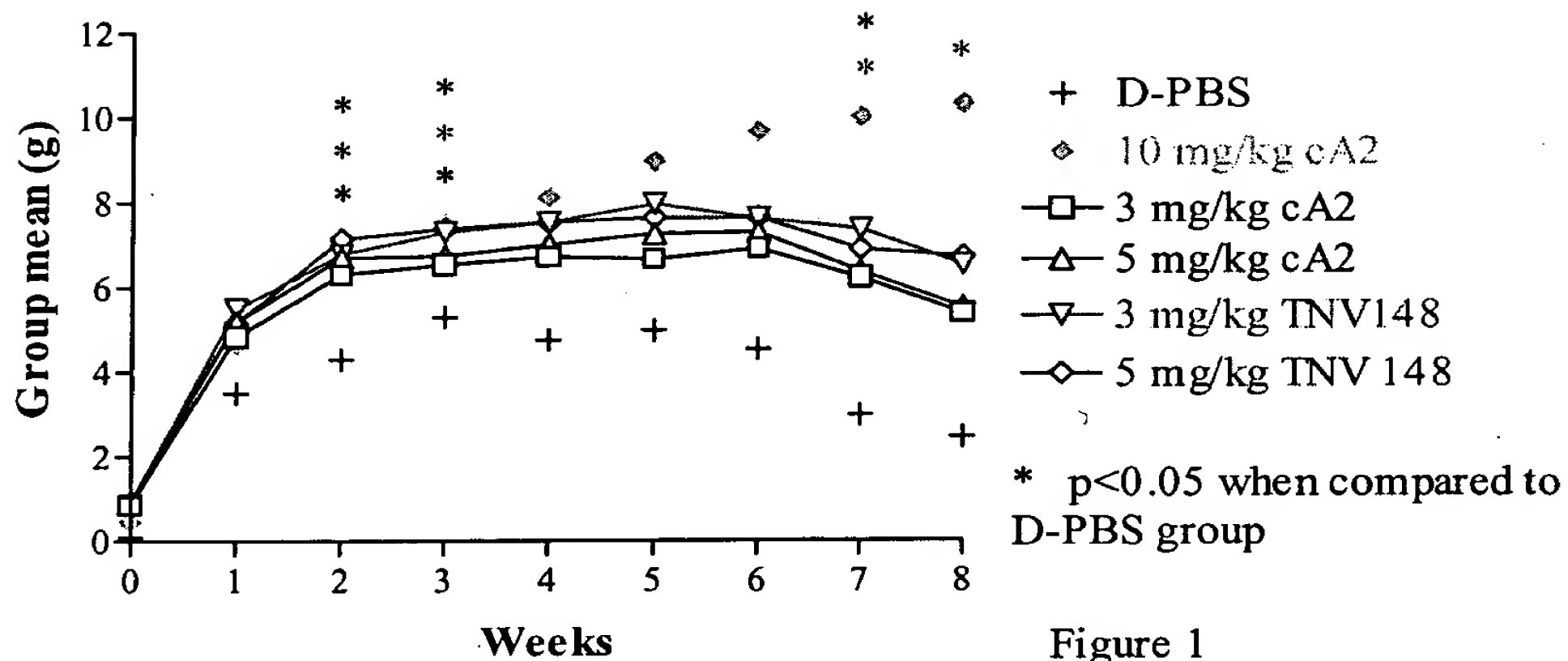


Figure 1

FIGURE 14

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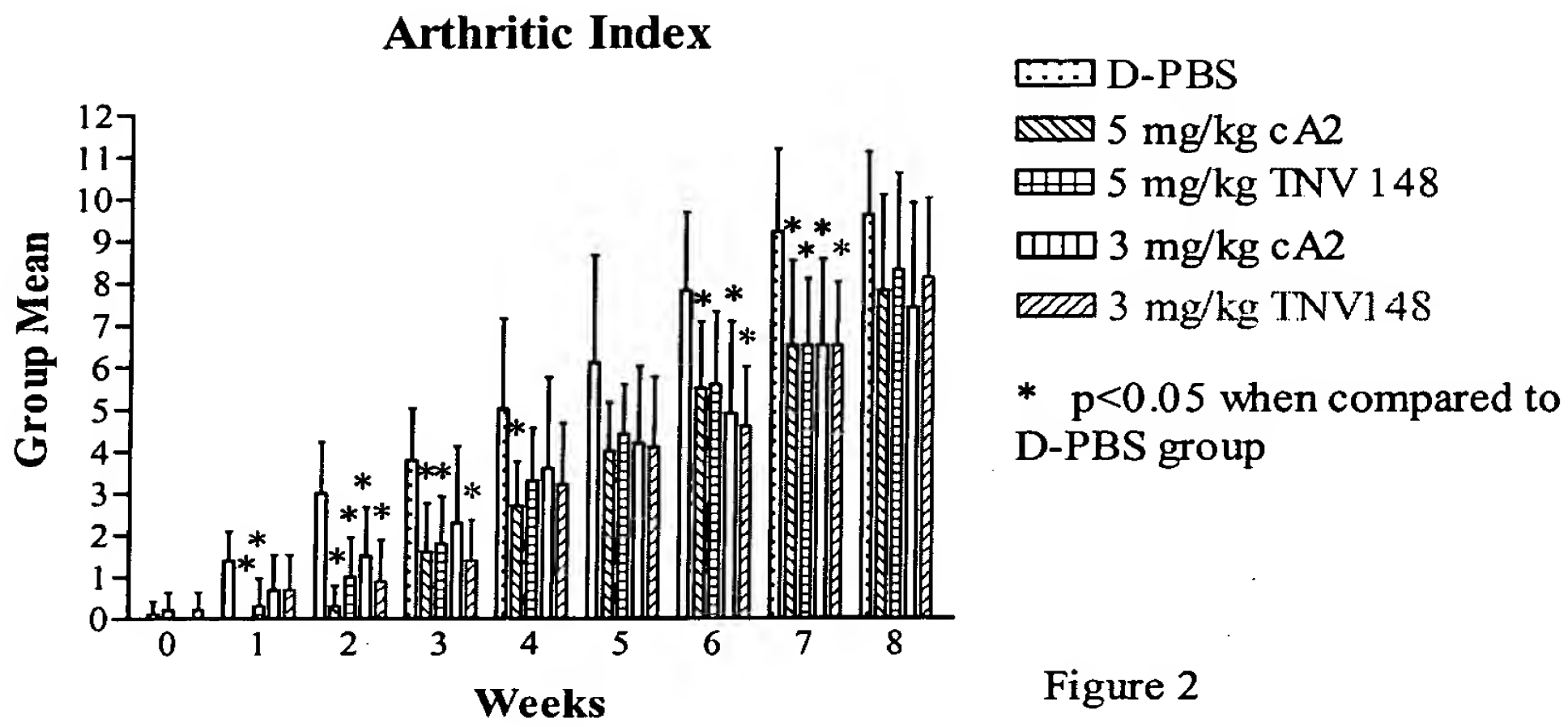


Figure 2

**FIGURE 15**





Change in Body Weight

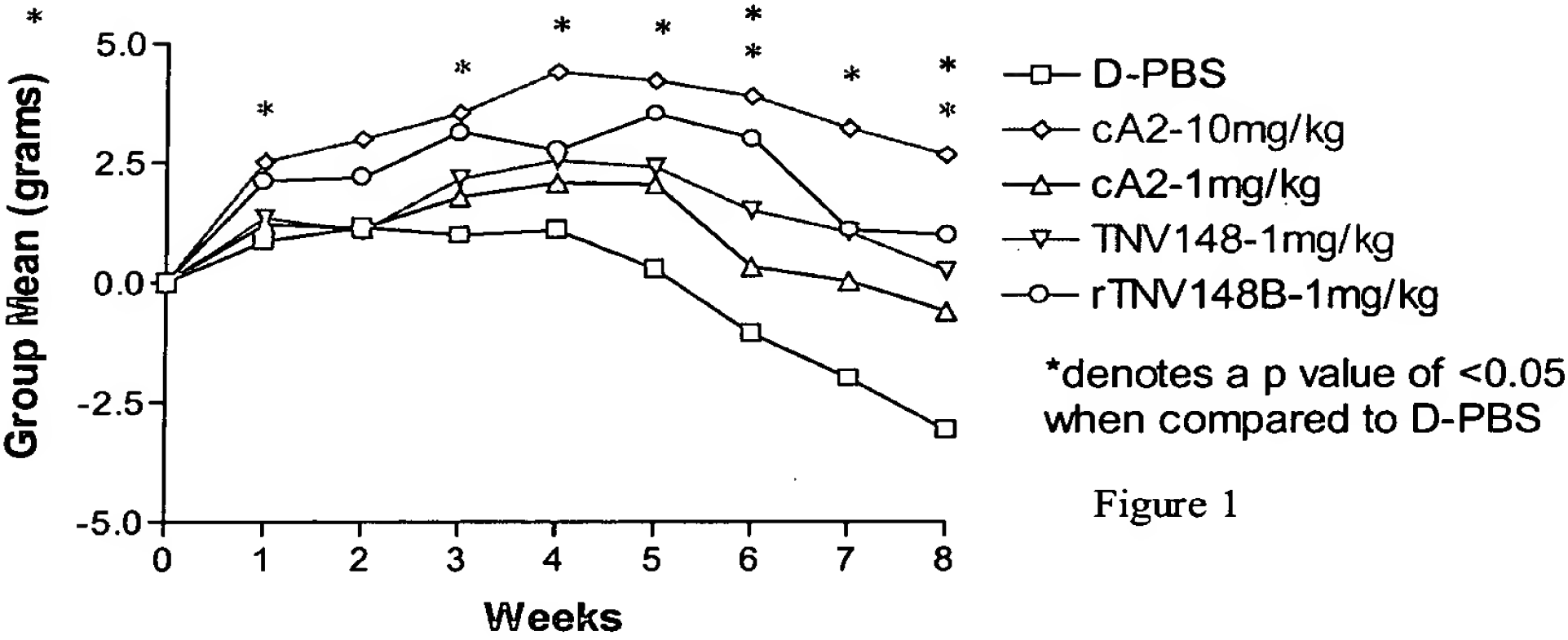


Figure 1

FIGURE 16



# Arthritic Index

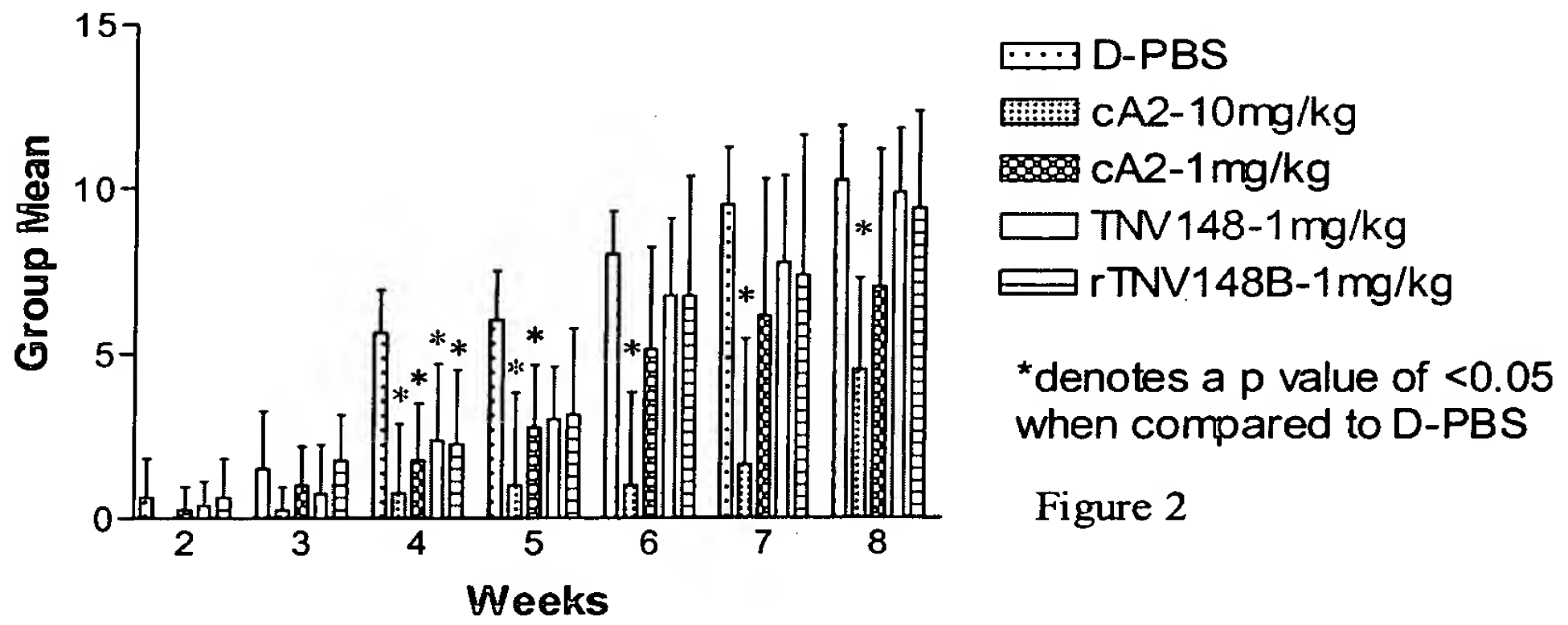


Figure 2

FIGURE 17

25 030101 27 030101 29 030101 31 030101 01 030101 03 030101 05 030101 07 030101 09 030101 11 030101 13 030101 15 030101 17 030101 19 030101 21 030101 23 030101 25 030101 27 030101 29 030101 31 030101 01 030101 03 030101 05 030101 07 030101 09 030101 11 030101 13 030101 15 030101 17 030101 19 030101 21 030101 23 030101 25 030101 27 030101 29 030101 31 030101